

Amendments to the Claims:

**Please cancel Claims 3 and 29-36.**

**1. (Currently Amended)** A method for treating a neurodegenerative illness of the central nervous system in a patient comprising culturing human neuronal cells *in vitro* with an effective amount of at least one immunosuppressive compound having an affinity for immunophilins selected from the group consisting of FK506, cyclosporin A and rapamycin; and transplanting said cultured neuronal cells into said patient, said neurodegenerative illness of the central nervous system selected from the group consisting of Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, Alzheimer's disease and ~~ischemic-cerebral~~ stroke, and said effective amount for said cell culturing being between about 1-50 ng/ml ~~that amount which will promote growth, survival and integration of said neuronal cells.~~

**2. (Previously presented)** The method of Claim 1, further comprising administering to said patient an effective amount of said at least one immunosuppressive compound having an affinity for immunophilins during transplantation of said neuronal cells, said effective amount for said patient being that amount which will promote growth, survival and integration of said neuronal cells.

**3. (Cancelled)**

**4. (Original)** The method of Claim 1, wherein said neuronal cells are second trimester human fetal neuronal cells.

**5 - 13 (Cancelled)**

**14. (Currently Amended)** A method for treating a neurodegenerative illness of the central nervous system in a patient comprising transplanting human neuronal cells, which have been cultured with an effective amount of at least one immunosuppressive compound having an affinity for immunophilins selected from the group consisting of FK506, cyclosporin A and rapamycin into said patient,

said neurodegenerative illness selected from the group consisting of Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, Alzheimer's disease and ~~ischemic-cerebral~~ stroke, and

said effective amount for said cell culturing being between about 1-50 ng/ml ~~that amount which will promote growth, survival and integration of said neuronal~~

cells.

**15. (Previously presented)** The method of Claim 14, further comprising administering to said patient an effective amount of said at least one immunosuppressive compound having an affinity for immunophilins during transplantation of said neuronal cells,

said effective amount for said patient being that amount which will promote growth, survival and integration of said neuronal cells.

**16. (Cancelled)**

**17. (Original)** The method of Claim 14, wherein said neuronal cells are second trimester human fetal neuronal cells.

**18 - 28 (Cancelled)**

**29 - 36 (Cancelled)**